

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/05740

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B24B49/04 B24B5/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B24B G01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 118 833 A (MARPOSS APP ELETT) 25 July 2001 (2001-07-25) paragraphs '0005!', '0010!', '0018! claim 1	1-8, 12
Y	figures 1-4	11
Y	US 1 941 456 A (ARNOLD PHILIP S) 2 January 1934 (1934-01-02) column 2, line 30 - line 64 figure 1	11
P, A	WO 02 070195 A (MARPOSS APP ELETT ;DANIELLI FRANCO (IT)) 12 September 2002 (2002-09-12) page 5, line 32 - page 14, line 21 figures 2A, 2B, 3, 6, 7	1
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family

Date of the actual completion of the international search

22 October 2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 903 199 A (UNOVA UK LTD) 24 March 1999 (1999-03-24) paragraphs '0095!-'0098! figure 1 ---	1
A	US 6 088 924 A (ESTEVE XAVIER) 18 July 2000 (2000-07-18) column 2, line 49 -column 3, line 26 figures 1,3,4 -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/05740

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1118833	A	25-07-2001	IT B020000012 A1	18-07-2001
			EP 1118833 A2	25-07-2001
			JP 2001225266 A	21-08-2001
			US 2002166252 A1	14-11-2002
			US 6430832 B1	13-08-2002
US 1941456	A	02-01-1934	NONE	
WO 02070195	A	12-09-2002	IT B020010113 A1	02-09-2002
			WO 02070195 A1	12-09-2002
EP 0903199	A	24-03-1999	DE 69809667 D1	09-01-2003
			DE 69809667 T2	24-04-2003
			EP 0903199 A2	24-03-1999
			ES 2189094 T3	01-07-2003
			GB 2329472 A , B	24-03-1999
US 6088924	A	18-07-2000	FR 2739585 A1	11-04-1997
			FR 2749789 A1	19-12-1997
			AT 192683 T	15-05-2000
			AU 7219996 A	30-04-1997
			DE 69608291 D1	15-06-2000
			DE 69608291 T2	04-01-2001
			EP 0853527 A1	22-07-1998
			WO 9713614 A1	17-04-1997